



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.				
10/676,523	10/01/2003	Michael A. Robinson	10030866-1	8331				
57299 Kathy Manke Avago Technologies Limited 4380 Ziegler Road Fort Collins, CO 80525	7590 06/26/2007		<table border="1"><tr><td colspan="2">EXAMINER</td></tr><tr><td colspan="2">ELAMIN, ABDELMONIEM I</td></tr></table>		EXAMINER		ELAMIN, ABDELMONIEM I	
EXAMINER								
ELAMIN, ABDELMONIEM I								
			<table border="1"><tr><td>ART UNIT</td><td>PAPER NUMBER</td></tr><tr><td>2116</td><td></td></tr></table>	ART UNIT	PAPER NUMBER	2116		
ART UNIT	PAPER NUMBER							
2116								
			<table border="1"><tr><td>MAIL DATE</td><td>DELIVERY MODE</td></tr><tr><td>06/26/2007</td><td>PAPER</td></tr></table>	MAIL DATE	DELIVERY MODE	06/26/2007	PAPER	
MAIL DATE	DELIVERY MODE							
06/26/2007	PAPER							

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/676,523	Applicant(s) ROBINSON ET AL.	
	Examiner Abdelmoniem Elamin	Art Unit 2116	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 April 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Inui et al, US. 2002/0152408.

3. Claims 1, 18-19, Inui teaches a device [*10 of Fig. 1*], comprising: a sleep recovery circuit [*Fig. 4*] operable to transition from a first signal detection mode [*e.g., S4*] to a second signal detection [*S3*] mode in response to detection of a first signal characteristic [*detecting Non-installation of AC adapter and Remaining DC battery is much, see Fig. 6*] in an input signal [*from AC adapter detector*], and to transition from the second signal detection mode [*S3*] to a third operational mode [*normal mode*] in response to detection in the input signal of a second signal characteristic different from the first signal characteristic [*when the PC is in the sleep mode S3 and a data upload condition is detected, the PC return to the normal mode, see paragraph 0094*].

4. Claims 2, Inui teaches power consumption by the sleep recovery circuit in the first signal detection mode is less than power consumption by the sleep recovery circuit in the second signal detection mode [*see Fig. 6*].

Art Unit: 2116

5. Claims 3, Inui teaches the third operational mode corresponds to a full-power mode of operating the device [*see paragraph 0094*].

6. Claims 4, Inui teaches the third operational mode corresponds to a third signal detection mode, and the sleep recovery circuit is operable to transition from the third signal detection mode to a fourth operational mode [*e.g., S1*] in response to detection in the input signal of a third signal characteristic different from the first and second signal characteristics [*detecting installation of AC adapter or Remaining DC battery is much, see Fig. 6*].

7. Claims 5, Inui teaches a first signal detector operable to detect the first signal characteristic in the input signal, and a second signal detector operable to detect the second signal characteristic in the input signal [*see detectors 46, 48, 50, ...of Fig. 4*].

8. Claims 6-8, Inui teaches only one of the first and second signal detectors is enabled at a time [*see Fig. 4 and related disclosure*].

9. Claims 9, Inui teaches the first signal detector detects a direct current characteristic of the input signal [*Battery level*].

10. Claims 10, 11, 20, Inui teaches the second signal detector detects an alternating current characteristic of the input signal [*AC adapter detector of Fig. 4*].

11. Claims 12-16, Inui teaches the sleep recovery circuit transmits output data consistent with a sleep mode of operating the device during the first and second signal detection modes [*see Fig. 6 and related disclosure*].

12. Claims 17, Inui teaches the input signal is an optical signal [*see paragraph 42*].

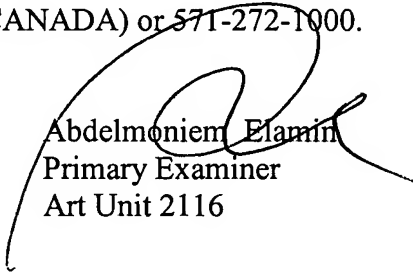
Conclusion

Art Unit: 2116

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abdelmoniem Elamin whose telephone number is 571-2727-3674. The examiner can normally be reached on MON - THUR 10:00 AM - 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rehana Prveen can be reached on 571-272-3676. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Abdelmoniem Elamin
Primary Examiner
Art Unit 2116

June 21, 2007